

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing Of Claims

1. (currently amended) A composite adsorbent for treatment or adsorption of gases comprised of a shaped non-porous substrate having two sides, an adhesive on a portion of at least ~~one~~ a first side thereof, and an adsorbent that has been immobilized as a layer on said adhesive ~~portion of said substrate~~ wherein said adsorbent layer substantially contacts one of said sides, a portion of said adsorbent layer or a combination thereof.
2. (currently amended) A composite adsorbent as set forth in claim 1 wherein said adsorbent is selected from the group consisting of activated carbon, impregnated activated carbons, silicas, natural and man-made zeolites, molecular sieves, clays, aluminas, ~~or~~ and ion exchange resins.
3. (original) A composite adsorbent as set forth in claim 2 wherein said activated carbon is granular activated carbon.
4. (original) A composite adsorbent as set forth in claim 1 wherein said substrate is a pressure sensitive adhesive tape.
5. (previously presented) A composite adsorbent as set forth in claim 1 wherein said substrate is selected from the group consisting of acrylics, polycarbonates, polyimides, polyphenylene ether, polyphenylene sulfide, acrylonitrile-butadiene-styrene copolymers,

polyesters, ethylene vinyl acetate, polyurethanes, polyamides, polyolefins, blends and derivatives thereof.

6. (original) A composite adsorbent as set forth in claim 1 wherein said shaped substrate is in the shape of a spiral, disc, cylinder or otherwise folded so that said adsorbent contacts a side of said substrate that does not contain adsorbent.

7. (original) A composite adsorbent as set forth in claim 1 in combination with an air permeable housing.

8. (original) A composite adsorbent as set forth in claim 7 wherein said housing includes an impermeable unit having a screen, holes, open lattice structure, or permeable fabric portion.

9. (previously presented) A method for making a shaped composite adsorbent for treatment or adsorption of gases in an application comprising:

a. sizing a non-porous substrate for said application having an adhesive on a portion of at least one side thereof;

b. coating said substrate adhesive portion with adsorbent;

c. folding said coated portion so that said adsorbent contacts a side of said substrate that does not contain adsorbent, a portion of said adsorbent or a combination thereof.

10. (previously presented) A method for making a composite adsorbent as set forth in claim 9 wherein said folding results with said substrate being folded into the shape of a spiral, disc, cone or cylinder.

11. (previously presented) A method for making a composite adsorbent as set forth in claim 9 wherein said coating substantially coats said substrate adhesive portion with adsorbent to provide a high particulate loading of said adsorbent.

12. (currently amended) A method for making a composite adsorbent as set forth in claim 9 wherein said coating applies a mono-layer of adsorbent ~~adhesive~~ onto said adhesive ~~adsorbent~~.

13. (previously presented) A method for making a composite adsorbent as set forth in claim 9 wherein said including one further step of combining said composite adsorbent with one or more of said composite adsorbents.

14. (previously presented) A composite adsorbent as set forth in claim 1 wherein said adhesive is selected from the group consisting of acrylics, vinyl ethers, natural or synthetic rubber-based materials, poly (alpha-olefins), and silicones.

15. (previously presented) A composite adsorbent as set forth in claim 1 wherein said adhesive is an integral part of a portion of said substrate.

16. (previously presented) A composite adsorbent as set forth in claim 1 wherein said shaped substrate is used as a folded sheet, layers of sheets, ribbon, roll, coil, or disk.

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17. (previously presented) A composite adsorbent as set forth in claim 1 wherein said substrate is used combined with one or more additional of said substrates.